

Amendments to the Claims

1. (Previously Presented) A media device comprising:
  - a remote controller producing a remote code for controlling for its own use, a remote code for controlling peripheral media devices, and selection signals of external input sources in accordance with a user's selection;
  - a communication port to be connected with the peripheral media devices through a communication line;
  - a receiver part receiving one of the remote codes from the remote controller;
  - a controller verifying that a present external input source corresponds to one of the peripheral media devices and produces a code conversion control signal and an output control signal;
  - a memory storing code conversion data; and
  - a code converter converting the code into a code corresponding to the verified peripheral media device using the code conversion data stored in the memory by responding to the code conversion control signal, the code converter outputting the converted code to the verified peripheral media device through the communication port by responding to the output control signal.
2. (Previously Presented) The media device of claim 1, wherein the media device and peripheral media devices include a TV receiver, a DVD, a videocassette recorder, and a set-top box.
3. (Previously Presented) The media device of claim 1, wherein the communication port is one of an RS232C, an I2C, and a parallel port.

4. (Previously Presented) The media device of claim 1, wherein the media device further comprises a display part displaying a menu of the media device, a menu of the verified peripheral media device, and an operation status of the controller by responding to the code of the remote controller.
5. (Previously Presented) The media device of claim 1, wherein the remote controller includes keys for selecting the external input sources corresponding to the peripheral media devices enabling the peripheral media devices to be connected to the media device.
6. (Original) The media device of claim 1, wherein the peripheral media devices includes communication ports identical to the communication port so as to establish communication channels with the media device.
7. (Original) A method of operating peripheral media devices using a media device having a remote controller, comprising the steps of:
  - monitoring whether a remote code is received from a remote controller;
  - verifying that a present external input source mode corresponds to which one of the peripheral media devices when the remote code is received from the remote controller; and
  - converting the received code into a code corresponding to the present external input source mode when the peripheral media device corresponding to the present external input source mode is connected to the media device and then transferring the converted code to the peripheral media device corresponding to the present external input source mode.

8. (Original) The method of claim 7, further comprising the step of displaying on a screen whether the media device and the peripheral media device corresponding to the present external input source mode are connected to each other.

9. (Original) The method of claim 7, further comprising the step of displaying character and video signals from the peripheral media device corresponding to the present external input source mode on a screen of the media device in accordance with the remote code.

10. (Original) The method of claim 7, further comprising the steps of: processing the code to operate the media device itself when the peripheral media device corresponding to the present external input source mode fails to be connected to the media device or the present external input source mode corresponds to the media device itself; and operating the media device in accordance with a command corresponding to the processed code.

11. (Original) The method of claim 10, wherein information of the code processed by the media device itself includes volume adjustment of the media device and change of the present external input source mode.

12. (Previously Presented) The method of claim 7, wherein the media device and peripheral media devices include a TV receiver, a DVD, a videocassette recorder, and a set-top box.

13. (Original) The method of claim 7, further comprising the steps of: executing a command corresponding to the converted code in the peripheral media device corresponding to the present external input source

mode;

transferring an execution result from the peripheral media device corresponding to the present external input source mode to the media device; and

displaying an image according to the execution result on a screen and outputting a voice according to the execution result through a speaker of the media device.

14. (Previously Presented) The method of claim 7, further comprising the step of providing a communication channel set-on or set-off signal from the remote controller to the media device by a user's selection so as to turn on or off a mode for establishing communication channels between the media device and the peripheral media devices.

15. (Original) The method of claim 14, wherein the communication channel set-on signal is provided when the peripheral media devices have the same communication ports of the media device on an on-screen display menu of the media device from the remote controller by a user and wherein the communication channel set-off signal is provided when the peripheral media devices fail to have the same communication ports of the media device on an on-screen display menu of the media device from the remote controller by a user.

16. (Previously Presented) The method of claim 15, wherein the communication port is one of an RS232C, an I2C, and a parallel port.

17. (Original) The method of claim 7, further comprising the steps of: monitoring whether a code to change the present external input source mode

into a new external input source mode is produced from the remote controller; and relieving the established communication channel between the present external input source and the media device and establishing a new communication channel between the new external input source and the media device.

18. (New) A method of controlling a multimedia system, using a main media device having at least one communication port connected via an exclusive communication line to at least one peripheral media device providing an input source to the main media device, the method comprising:

storing, in the main media device, code conversion data corresponding to the main media device and the at least one peripheral media device;

inputting a control code to the main media device, the control code indicative of an input source mode corresponding to one of the at least one peripheral media device;

verifying, in response to the input control code, an establishment of a communication channel via the exclusive communication line, the communication channel corresponding to the one of the at least one peripheral media device;

converting the input control code into a converted control code for controlling the one of the at least one peripheral media device; and

outputting, via the established communication channel, the converted control code to the one of the at least one peripheral media device,

wherein the input control code is converted and output when the establishment of a communication channel corresponding to the one of the at least one peripheral media device is verified via the exclusive communication line and wherein the input control code is otherwise processed in the main media device.

19. (New) The method of claim 18, wherein the control code is input to the main media device via a remote controller.

20. (New) The method of claim 18, wherein the exclusive communication line is connected to the at least one peripheral media device at a communication port compatible with the at least one communication port of the main media device.

21. (New) The method of claim 20, wherein the at least one communication port of the main media device is one of an RS-232 serial port, an I<sup>2</sup>C bus port, and a parallel port.

22. (New) The method of claim 18, further comprising:

displaying an indication of the establishment of a communication channel corresponding to the one of the at least one peripheral media device.

23. (New) The method of claim 22, wherein the communication channel establishment indication is displayed by the main media device.

24. (New) The method of claim 23, wherein the communication channel establishment indication is displayed using an on-screen display of the main media device.

25. (New) The method of claim 18, further comprising:

displaying an indication of the input source mode according to the input control code.

26. (New) The method of claim 25, wherein the input source mode indication is displayed by the main media device.

27. (New) The method of claim 26, wherein the input source mode indication is displayed using an on-screen display of the main media device.

28. (New) The method of claim 18, wherein the input source to the main media device generates at least one of an audio signal and a video signal and wherein the at least one of an audio signal and a video signal is output by the main media device according to the input control code.

29. (New) The method of claim 18, further comprising:  
processing, when there is no establishment of a communication channel corresponding to the one of the at least one peripheral media device, the input control code to control the main media device according to the processed control code.

30. (New) The method of claim 29, wherein the processed control code indicates that the input source mode corresponds to the main media device.

31. (New) The method of claim 29, wherein the processed control code indicates one of a volume control and a change of the input source mode.

32. (New) The method of claim 18, wherein the main media device includes a television receiver.

33. (New) The method of claim 18, wherein the at least one peripheral media device includes at least one of a television receiver, a DVD player, a videocassette recorder, and a set-top box.

34. (New) The method of claim 18, further comprising:  
processing, in the one of at least one peripheral media device, the converted control code output via the established communication channel;  
controlling the one of at least one peripheral media device according to the processed control code; and  
outputting, from the one of at least one peripheral media device, the input source to the main media device, the input source being controlled according to said controlling step.

35. (New) The method of claim 34, further comprising:  
generating on-screen data for inclusion with the controlled input source.

36. (New) The method of claim 35, wherein the on-screen data is generated by the one of at least one peripheral media device according to the processed control code.

37. (New) The method of claim 18, wherein the input control code includes a communication channel on-off signal for controlling the establishment of a communication channel for each of the at least one peripheral media device.

38. (New) The method of claim 37, further comprising:  
setting the established communication channel based on the communication channel on-off signal of the input control code, the set communication channel carrying the converted control code to the one of the at least one peripheral media device.

39. (New) The method of claim 38, wherein the input source mode is determined by the set communication channel.

40. (New) The method of claim 38, wherein the communication channel on-off signal includes a communication channel on signal and a communication channel off signal, the communication channel on signal corresponding to peripheral media devices of the at least one peripheral media device connected to the main media device via one exclusive communication line, and the communication channel off signal corresponding to peripheral media devices of the at least one peripheral media device having no exclusive communication line connection to the main media device.

41. (New) A multimedia system comprising:

at least one peripheral media device providing an input source for generating a multimedia input;

a main media device for receiving the multimedia input from said at least one peripheral media device; and

a memory for storing code conversion data corresponding to said main media device and said at least one peripheral media device,

wherein said main media device comprises:

at least one communication port connected via an exclusive communication line to said at least one peripheral media device;

input means for inputting a control code to said main media device, the control code including one of a first code for controlling said main media device, a second code for controlling said at least one peripheral media device, and an input source selection signal for controlling an application of the first and second codes, the input control code controlling the input source to said main media device;

a controller for, in response to the input control code, verifying a connection of said at least one peripheral media device to the at least one communication port, to generate a code conversion control signal and an output control signal; and

a code converter for converting, based on the code conversion control signal, the second code into a converted control code using the stored code conversion data and for outputting the converted control code to the at least one communication port,

wherein the output control signal controls the at least one communication port of said main media device to output the converted control code from the code converter to said at least one peripheral media device according to the verified connection.

42. (New) The multimedia system of claim 41, wherein the input means comprises a remote controller for generating remote codes and a remote code receiver and processor for receiving and processing the generated remote codes.

43. (New) The multimedia system of claim 41, wherein said memory is provided to said main media device.

44. (New) The multimedia system of claim 41, wherein the main media device includes a television receiver.

45. (New) The multimedia system of claim 41, wherein the at least one peripheral media device includes at least one of a television receiver, a DVD player, a videocassette recorder, and a set-top box.

46. (New) The multimedia system of claim 41, wherein the exclusive communication line is connected to the at least one peripheral media device at a communication port compatible with the at least one communication port of the main media device.

47. (New) The multimedia system of claim 46, wherein the at least one communication port of the main media device is one of an RS-232 serial port, an I<sup>2</sup>C bus port, and a parallel port.

48. (New) The multimedia system of claim 41, wherein the input source generates at least one of an audio signal and a video signal and wherein the at least one of an audio signal and a video signal is output by the main media device according to the input control code.

49. (New) The multimedia system of claim 41, further comprising:  
output means for outputting the multimedia input of the main media device.

50. (New) The multimedia system of claim 49, wherein said output means is provided to said main media device.

51. (New) The multimedia system of claim 49, further comprising:

means for generating on-screen data corresponding to an indication of the establishment of a communication channel corresponding to the verified connection.

52. (New) The multimedia system of claim 49, further comprising:

means for generating on-screen data corresponding to the input source selection signal.

53. (New) A media device for receiving a multimedia input from at least one peripheral media device, the media device comprising:

at least one communication port for connection via a exclusive communication line to the at least one peripheral media device;

a memory for storing code conversion data corresponding to the main media device and the at least one peripheral media device,

input means for inputting a control code to the main media device, the control code including one of a first code for controlling the main media device, a second code for controlling the at least one peripheral media device, and an input source selection signal for controlling an application of the first

and second codes, the input control code controlling the input source to the main media device;

a controller for, in response to the input control code, verifying a connection of the at least one peripheral media device to said at least one communication port, to generate a code conversion control signal and an output control signal; and

a code converter for converting, based on the code conversion control signal, the second code into a converted control code using the stored code conversion data and for outputting the converted control code to said at least one communication port,

wherein the output control signal controls said at least one communication port of the main media device to output the converted control code from said code converter to the at least one peripheral media device according to the verified connection.

54. (New) The media device of claim 53, further comprising a remote controller for generating remote codes for transmission to said input means.

55. (New) The media device of claim 53, wherein the multimedia input is input to a television receiver.

56. (New) The media device of claim 55, wherein the television receiver includes a display for displaying the multimedia input.

57. (New) The media device of claim 56, wherein the displayed multimedia input includes at least one of on-screen data corresponding to an indication of the establishment of a communication channel corresponding to the verified connection, on-screen data corresponding to the input source selection signal, an audio signal, and a video signal.